

INTERNATIONAL SEARCH REPORT

ational Application No
PCT/IT2004/000529

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N9/02 C12N15/09 C12N5/10 C12N5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>FONTANA, OMBRETTA ET AL: "Elimination of N-glycolylneuraminic acid residues in recombinant glycoproteins : A gene knock-out approach"</p> <p>ANIMAL CELL TECHNOLOGY: PRODUCTS FROM CELLS, CELLS AS PRODUCTS, PROCEEDINGS OF THE ESACT MEETING, 16TH, LUGANO, SWITZERLAND, APR. 25-29, 1999, MEETING DATE 1999, 245-249. EDITOR(S): BERNARD, ALAIN. PUBLISHER: KLUWER ACADEMIC PUBLISHERS, DORDRECHT,, 1999, XP001205106 the whole document</p> <p style="text-align: center;">----- -/--</p>	1-14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

4 February 2005

Date of mailing of the international search report

24/02/2005

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PCT/IT2004/000529

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>DATABASE EMBL 'Online! 9 June 1999 (1999-06-09), "Cricetulus griseus mRNA for cnah protein, partial" XP002315186 retrieved from EBI accession no. EM_PRO:CGR242835 Database accession no. CGR242835 cited in the application the whole document</p>	1-14
Y	<p>CHENU S ET AL: "Reduction of CMP-N-acetylneuraminic acid hydroxylase activity in engineered Chinese hamster ovary cells using an antisense-RNA strategy" BBA - GENERAL SUBJECTS, ELSEVIER SCIENCE PUBLISHERS, NL, vol. 1622, no. 2, 23 July 2003 (2003-07-23), pages 133-144, XP004441035 ISSN: 0304-4165 cited in the application the whole document</p>	1-14
Y	<p>EP 0 752 474 A1 (BOEHRINGER MANNHEIM GMBH) 8 January 1997 (1997-01-08) the whole document</p>	1-14
Y	<p>HOKKE C H ET AL: "SIALYLATED CARBOHYDRATE CHAINS OF RECOMBINANT HUMAN GLYCOPROTEINS EXPRESSED IN CHINESE HAMSTER OVERAY CELLS CONTAIN TRACES OF N-GLYCOLYLNEURAMINIC ACID" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 275, no. 1/2, November 1990 (1990-11), pages 9-14, XP009004004 ISSN: 0014-5793 cited in the application the whole document</p>	1-14
A	<p>WEIKERT S ET AL: "Engineering Chinese hamster ovary cells to maximize sialic acid content of recombinant glycoproteins" NATURE BIOTECHNOLOGY, NATURE PUB. CO, NEW YORK, NY, US, vol. 17, no. 11, November 1999 (1999-11), pages 1116-1121, XP002203703 ISSN: 1087-0156 cited in the application</p>	

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PCT/IT2004/000529

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BRAGONZI A ET AL: "A new Chinese hamster ovary cell line expressing alpha2,6-sialyltransferase used as universal host for the production of human-like sialylated recombinant glycoproteins"</p> <p>BBA - GENERAL SUBJECTS, ELSEVIER SCIENCE PUBLISHERS, NL, vol. 1474, no. 3, 1 May 2000 (2000-05-01), pages 273-282, XP004276566 ISSN: 0304-4165</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No

PCT/IT2004/000529

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0752474	A1	08-01-1997	
		AU 6611896 A	10-02-1997
		WO 9703200 A1	30-01-1997
		EP 0837942 A1	29-04-1998
		JP 10510434 T	13-10-1998